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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449

Sheet 1

(Use as many sheets as necessary)

of 6

Complete If Known				
Application Number	10/763,545			
Filing Date	January 23, 2004			
First Named Inventor	William C. Olson			
Art Unit	1648			
Examiner Name	Peng, Bo			
Attorney Docket Number	57906-BA			

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,025,154	10-05-2004	Y. Li et al.	
		^{US-} 6,265,184	07-24-2001	P.W. Gray et al.	
		^{US-} 6,268,477	06-30-2002	P.W. Gray et al.	
		^{US-} 6,448,375	09-10-2002	M. Samson et al.	
		^{US-} 6,743,594	06-01-2004	Y. Li et al.	
		^{US-} 6,797,811	09-28-2004	P.W. Gray et al.	
		^{US-} 6,972,126	12-06-2005	G.P. Allaway et al.	
		^{US-} 6,261,763	07-17-2001	G.P. Allaway et al.	
		^{US-} 2002-0150888	10-17-2002	P.W. Gray et al.	
	T .	^{US-} 2004-0161739	08-19-2004	M. Samson et al.	
		^{US-} 2004-0230037	11-18-2004	P.W. Gray et al.	
		^{US-} 2004-0110127	06-10-2004	M. Samson et al.	
		^{US-} 2005-0154193	07-14-2005	V. Roschke et al.	
		^{US-} 2003-0100058	05-29-2003	V. Roschke et al.	
		^{US-} 2003-0166024	09-04-2003	C. Rosen et al.	
		^{US-} 2004-0151719	08-08-2004	Y. Li et al.	
		^{US-} 2001-0000241	04-12-2001	Y. Li et al.	
		^{US-} 2001-0046512	11-29-2001	V. Litwin et al.	
		^{US-} 2006-0029932	02-09-2006	G.P. Allaway et al.	

	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵	
		WO 95/16789	06-22-1995				
		WO 02/064612 A2	08-22-2002				
		WO 01/58915 A2	08-16-2001				
		WO 01/58916 A2	08-16-2001				
		WO 96/39437 A2	12-12-1996				
	T	WO 97/22698	06-26-1997				

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Applicants: William C. Olson and Paul J. Maddon

Serial No.: 10/763,545 Filed: January 23, 2004

Exhibit A

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Sub	estitute for form 1449/PTO	Complete if Known		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	January 23, 2004	
		First Named Inventor	William C. Olson	
		Art Unit	1648	
_	(Use as many sheets as necessary)	Examiner Name	Peng, Bo	
Sheet	2 of 6	Attorney Docket Number	57906-BA	

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		^{US-} 2002-0045161	04-18-2002	G.P. Allaway et al.	· ·ga·co / ppca/
		^{US-} 2006-0140977 A1	06-29-2006	G.P. Allaway et al.	
		^{US-} 09/118,415	07-17-1998	V.M. Litwin et al.	
		^{US-} 11/258,963	10-25-2005	G.P. Allaway et al.	
		^{US-} 11/316,078	12-21-2005	W.C. Olson et al.	
		^{US-} 11/400,497	04-07-2006	G.P. Allaway et al.	
		^{US-} 08/475,515	06-07-1995	G.P. Allaway et al.	
		^{US-} 08/663,171	06-14-1996	G.P. Allaway et al.	
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FOREIGN PATENT DOCUMENTS						
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		WO 97/44055	11-27-1997			_
		WO 97/032019	09-04-1997			
		EP 96870021.1	03-01-1996			┢
		EP 96870102.9	08-06-1996			
		EP 1145721 A2	10-17-2001			
		EP 1146055 A2	10-17-2002			-

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		EP 1148126 A2	10-24-2001			
		EP 1148127 A2	10-24-2001	<u>'</u>		
		EP 1149582 A2	10-31-2001			-
		EP 1199360 A2	04-24-2002			
		EP 1482042 A1	12-01-2004			┢╾

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Sheet	4 of 6	Attorney Docket Number	57906-BA		

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		EP 0815137	12-12-1996			<u> </u>
		EP 0883687 B1	11-27-2004			
		CA 2216990	12-27-1997			
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STATEMENT BY APPLICANT	First Named Inventor	William C. Olson
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Sheet 5 of 6	Attorney Docket Number	57906-BA

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
		Dean, M. et al., (1996) "Genetic Restriction Of HIV-1 Infection And Progression To AIDS By A Deletion Allele Of The CKR5 Structural Gene", Science 273:1856-1862	
·		He, J. et al., (1997) "CCR3 And CCR5 Are Co-Receptors For HIV-1 Infection Of Microglia", Nature 385:645-649	
		Konigs, C. et al., (2000) "Monoclonal Antibody Screening Of Phage-Displayed Random Peptide Library Reveals Mimotopes Of Chemokine Receptor CCR5: Implications For The	
		Tertiary Structure Of The Receptor And For An N-Terminal Binding Site For HIV-1 Gp120", Eur. J. Immnol. 30(4):1162-1171	
		Lee, B. et al., (1999) "Epitope Mapping Of CCR5 Reveals Multiple Conformational States And Distinct But Overlapping	
		Structures Involved In Chemokine Coreceptor Function", J. Biol. Chem. 274 (14):9617-9626	
		Mackay, C.R., (1996) "Chemokine Receptors And T Cell Chemotaxis", J. Exp. Med 184:799-802	
		Raport, C.J. et al., (1996) "Molecular Cloning And Functional Characterization Of A Novel Human CC Chemokine Receptor (CCR5)	-
		For RANTES, MIP-1beta, And MIP-1alpha", J.Biol. Chem. 271(29):1761-17166	
		Samson, M. et al., (1996) "Molecular Cloning And Functional Expression Of A New Human CC-Chemokine Receptor Gene", Biochem. 35:3362-3367	

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		Steinberger, P. et al., (2000) "Generation And Characterization Of A Recombinant Human CCR5-Specific Antibody", J. Biol. Chem. 275(46):36073-36078	
		Wu, L. et al., (1996) "CD4-Induced Interaction Of Primary HIV-1 Gpl20 Glycoproteins With The Chemokine Receptor CCR-5", Nature 384:179-183	

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